

and by the clefts in the woody layers, there is a distant resemblance with the trunk of Ferns ; but the continuous peripheric growth is a complete distinction. 5. The structure of the trunk of *Cycas*, in all its peculiarities, more nearly resembles certain vegetables of a former epoch than of the present. The author then compares the trunk of *Cycas* with that of *Zamia* and *Encephalartos*, which have a single woody cylinder, with or without medullary rays.—*Silliman's American Journal*, Sept. 1846.

NEW WORK ON ENTOMOLOGY.

Mr. Westwood informs us that he intends commencing the publication of a new periodical work on the 1st of January, containing coloured figures and descriptions of new rare and remarkable insects, natives of India and the adjacent islands.

METEOROLOGICAL OBSERVATIONS FOR SEPT. 1846.

Chiswick.—September 1. Cloudy. 2, 3. Cloudless and hot. 4. Foggy: fine. 5. Very fine. 6. Cloudy. 7. Foggy: dusky haze. 8. Overcast. 9. Very fine. 10. Cloudy. 11—14. Very fine. 15. Slight fog: very fine. 16, 17. Exceedingly fine. 18. Cloudy. 19. Foggy: very fine. 20. Clear and dry air. 21, 22. Cloudy. 23. Heavy rain. 24. Uniformly overcast: cloudy: overcast. 25. Fine: cloudy: clear and fine. 26. Overcast: slight drizzle. 27. Cloudy and fine: rain. 28. Rain. 29. Clear and cool: rain. 30. Slight fog: cloudy: clear.

Mean temperature of the month	60°·79
Mean temperature of Sept. 1845	52 ·60
Mean temperature of Sept. for the last twenty years ...	57 ·22
Average amount of rain in Sept.	2·73 inches.

Boston.—Sept. 1—3. Fine. 4, 5. Cloudy. 6. Cloudy: rain, with thunder and lightning P.M. 7. Cloudy: 2 o'clock, thermometer 77°. 8. Cloudy. 9. Cloudy: rain P.M. 10. Cloudy. 11. Fine. 12. Cloudy. 13—15. Fine. 16, 17. Foggy. 18, 19. Fine. 20, 21. Cloudy. 22. Fine. 23. Cloudy: rain early A.M.: rain A.M. 24. Foggy. 25, 26. Cloudy. 27. Fine: rain P.M. 28. Cloudy. 29, 30. Fine.

Sandwich Manse, Orkney.—Sept. 1. Cloudy: rain. 2, 3. Cloudy. 4. Hazy: cloudy. 5. Cloudy: fog. 6. Bright: fine. 7. Bright: fog. 8. Bright: clear: aurora. 9. Bright: clear. 10. Bright: cloudy. 11. Drizzle: damp. 12. Fine: cloudy. 13. Fog: drizzle. 14. Drizzle: damp. 15. Cloudy: drizzle. 16. Rain: cloudy. 17. Clear: cloudy. 18. Bright: clear. 19. Bright: cloudy. 20. Bright: cloudy: clear. 21. Bright: clear: aurora. 22. Bright: hoar frost: clear: aurora S. 23. Bright: cloudy. 24. Rain: cloudy: fog. 25. Clear: cloudy. 26. Cloudy. 27. Clear: cloudy: aurora. 28. Clear. 29. Cloudy: rain. 30. Bright: cloudy.

Applegarth Manse, Dumfries-shire.—Sept. 1, 2. Very fine harvest day. 3. Very fine harvest day, but threatening. 4. Very fine harvest day: still cloudy. 5. Very fine harvest day. 6. Very fine harvest day: thunder. 7. Very fine harvest day. 8. Rain A.M.: cleared P.M. 9—11. Fair and fine. 12. Fair and fine: thunder. 13. Fair and fine. 14, 15. Fair and fine: fog. 16. Dull day: fog. 17. Dull and threatening: fog. 18. Still fair, but cloudy. 19. Gentle rain P.M. 20. Rain A.M. 21. Fair. 22. Fair, but dull. 23. Wet A.M.: lightning. 24. Rain. 25, 26. Showers. 27. Rain all day. 28. Showers: thunder. 29. Wet all day. 30. Fair and clear.

Mean temperature of the month	59°·6
Mean temperature of Sept. 1845	52 ·4
Mean temperature of Sept. for 23 years	53 ·0
Mean rain in Sept. for 18 years	3·25 inches.